



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
(Case No. 00-448-A)

In the Application of: )  
 )  
Rodgers et al. ) Art Unit: 1653  
 )  
Serial No. 09/723,255 ) Examiner: Chism, B.D.  
 )  
Filed: November 27, 2000 )  
 )  
Title: Methods for Treating and Preventing )  
Alopecia )

INFORMATION DISCLOSURE STATEMENT

BOX IDS  
Commissioner for Patents  
Washington, D.C. 20231

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Dear Sir:

Pursuant to 37 C.F.R. Section 1.97 - 1.99, the Applicant wishes to make the following references of record in the above-identified application. This Information Disclosure Statement is in compliance with the continuing duty of candor as set forth in 37 C.F.R. Section 1.56. Copies of the references cited below are enclosed. These references are also listed on the enclosed PTO Form 1449.

In the judgment of the undersigned, portions of the listed references may be material to the Examiner's consideration of the presently pending claims. However, the references have not been reviewed in sufficient detail to make any other representation and, in particular, no representation is intended as to the relative relevance between references, whether cited in this or prior statements. This statement is not a representation that the listed references have effective dates early enough to be "prior art" within the meaning of 35 U.S.C. Section 102 or Section 103.

United States Patents

1. U.S. Patent No. 5,015,629, DiZerega, G., issued May 14, 1991.
2. U.S. Patent No. 5,055,456, Harris et al., issued October 8, 1991.
3. U.S. Patent No. 5,556,783, Lavker et al., issued September 17, 1996.
4. U.S. Patent No. 5,567,679, Daly, T. J., issued October 22, 1996.

5. U.S. Patent No. 5,616,471, Yuspa, S., issued April 1, 1997.
6. U.S. Patent No. 5,629,292, Rodgers et al., issued May 13, 1997.
7. U.S. Patent No. 5,716,935, Rodgers et al., issued February 10, 1998.
8. U.S. Patent No. 5,753,226, Greene et al., issued May 19, 1998.
9. U.S. Patent No. 5,804,445, Brasier, A.R., issued September 8, 1998.
10. U.S. Patent No. 5,834,432, Rodgers et al., issued November 10, 1998.
11. U.S. Patent No. 5,955,430, Rodgers et al., issued September 21, 1999.
12. U.S. Patent No. 5,962,523, Moran et al., issued October 5, 1999.
13. U.S. Patent No. 5,977,159, Rodgers Fandriks et al., issued November 2, 1999.
14. U.S. Patent No. 6,096,709, Rodgers et al., issued August 1, 2000.
15. U.S. Patent No. 6,110,895, Rodgers et al., issued August 8, 2000.
16. U.S. Patent No. 6,177,407, Rodgers et al., issued January 23, 2001.
17. U.S. Patent No. 6,239,109, Rodgers et al., issued May 29, 2001.
18. U.S. Patent No. 6,248,587, Rodgers et al., issued June 19, 2001.
19. U.S. Patent No. 6,258,778, Rodgers et al., issued July 10, 2001.
20. U.S. Patent No. 6,335,195, Rodgers et al., issued January 1, 2002.
21. U.S. Patent No. 6,444,646, Rodgers et al., issued September 3, 2002.
22. U.S. Patent No. 6,455,500, Rodgers et al., issued September 24, 2002.
23. U.S. Patent No. 6,455,501, Rodgers et al., issued September 24, 2002.

#### **Foreign Documents**

24. PCT published application No. WO 98/33813, published August 6, 1998.
25. PCT published application No. WO 99/40107, published August 8, 1999.
26. PCT published application No. WO 99/42122, published August 26, 1999.
27. PCT published application No. WO 99/42123, published August 26, 1999.
28. PCT published application No. WO 00/56345, published September 28, 2000.
29. Japanese published patent No. JP 09249535, published September 22, 1997.

#### **Other Documents**

30. Ambuhl et al. (1994) *Brain Res. Bull.* Vol., 35, 289-291.
31. Bedecs et al., (1997) *Biochem J.*, Vol. 325, pp. 449-454.
32. Bell et al., (1990) *Am. J. Pathol.*, Vol. 137, pp. 7-12.
33. Berk et al., (1989) *Hypertension*, Vol. 13, pp. 305-14.

34. Bryson et al., (1992), *Eur. J. Pharmacol.*, Vol. 225, pp. 119-127.
35. Catalioto et al. (1994) *Eur. J. Pharmacol*, Vol. 256, pp. 93-97.
36. Clouston et al., (1988) *Genomics*, Vol. 2, pp. 240-248.
37. Dzau et al., (1989) *J. Mol. Cell Cardiol.*, Vol 21, pp. S7.
38. Edwards et al. (1993) *J. Pharmacol. Exper. Ther.* Vol. 266, pp. 506-510.
39. Fernandez et al., (1985) *J. Lab. Clin. Med.*, Vol. 105 pp. 141-145.
40. Ferrario et al., (1997) *Hypertension*, Vol. 30, pp. 535-541.
41. Ferrario et al, (1998), *J. Am. Soc. Nephrol.*, Vol. 9, pp. 1716-1722.
42. Freeman et al., (1996) *Hypertension*, Vol. 28, pp. 104-108.
43. Helin et al., (1997) *Annals of Medicine*, Vol. 29 pp. 23-29.
44. Iyer et al., (1998) *Hypertension*, Vol.31, pp. 699-705.
45. Jaiswal et al. (1991) *Hypertension* Vol. 17, pp. 1115-1120.
46. Jaiswal et al. (1992) *Hypertension* Vol. 19 (Supp. II): II-49-II-55.
47. Jaiswal et al. (1993) *J. Pharmacol. Exper. Ther.* Vol. 265, pp. 664-673.
48. Janiak et al., (1992) *Hypertension*, Vol. 20, pp. 737-745.
49. Kageyama et al., (1984) *Biochemistry*, Vol. 23, pp. 3603-3609.
50. Kauffman et al., (1991), *Life Sci.*, Vol.49, pp 223-228.
51. Kimura, et al., (1992), *BBRC*, Vol.187, pp. 1083-1090.
52. Kunapuli et al., (1987) *Circulation Research*, Vol. 60, pp. 786-790.
53. LeNoble, et al.,(1991) *Eur. J. Pharmacol.*, Vol. 195, pp. 305-306.
54. Nakahara et al., (1992) *BBRC*, Vol. 184, pp. 811-818.
55. Ohkubo et al., (1983) *Proc. Natl. Acad. Sci.*, Vol. 80, pp.2196-2200.
56. Pfeilschifter et al. (1992) *Eur. J. Pharmacol.* Vol. 225, pp. 57-62.
57. Portsi et al. (1994) *Br. J. Pharmacol.* Vol. 111, pp. 652-654.
58. Prescott et al., (1991) *Am J. Pathol.*, Vol. 139, pp. 1291-1296.
59. Regoli et al., (1974), *Pharmacological Reviews*, Vol. 26, pp. 69-123.
60. Rodgers et al. (1997) *J. Burn Care Rehab.* Vol. 18, pp. 381-388.
61. Shanugam et al., (1995) *Am. J. Physiol.*, Vol. 268, pp. F922-F930.
62. Steckelings et al., (1996) *Biochem. Biophys. Res. Commun.*, Vol. 229, pp. 329-333.
63. Stouffer et al., (1992) *Circ. Res.*, Vol. 70, pp. 820-828.
64. Taubman et al. (1989) *J. Biol. Chem.*, Vol. 264, pp. 526-530.
65. Viswanathan, et al.,(1992), *Peptides*, Vol. 13, pp. 783-786.

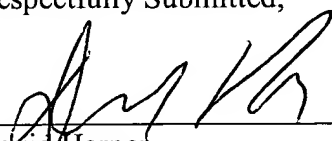
66. Wang et al. (1995) *Zhongguo Zhonglie Linchuang*, Vol. 22, pp. 791-794, abstract XP-002164834.
67. Wolf et al., (1992) *Am. J. Pathol.*, Vol. 140, pp.95-107.

In accordance with MPEP Sections 609 and 707.05(b), it is requested the document cited (including any cited in applicant's specification which is not repeated on the attached Form PTO-1449) be given thorough consideration and that it be cited of record in the prosecution history of the present application by initialing on Form PTO-1449. Such initialing is requested even if the Examiner does not consider a cited document to be sufficiently pertinent to use in a rejection, or otherwise does not consider it to be prior art for any reason, or even if the Examiner does not believe that the guidelines for citation have been fully complied with. This is requested so that each document becomes listed on the face of the patent issuing on the present application.

Respectfully Submitted,

Date: February 28<sup>th</sup>, 2003

By:

  
\_\_\_\_\_  
David Harper

Reg. No. 42,636

**McDonnell, Boehnen Hulbert & Berghoff**

300 South Wacker Drive

Chicago, IL 60606

<b>FORM PTO-1449</b> (Rev. 2-32)	<b>U.S. Department of Commerce</b> <b>Patent and Trademark Office</b>		<b>Atty. Docket No.</b> 00-448-A	<b>Serial No.</b> 09/723,255
			<b>Applicant:</b> Rodgers et al.	
			<b>Filing Date:</b> November 27, 2000	<b>Group:</b> 1646

**INFORMATION DISCLOSURE  
 STATEMENT BY APPLICANT**  
 (Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	1.	5,015,629	May 14, 1991	DiZerega, G.			
	2.	5,055,456	Oct 8, 1991	Harris et al.			
	3.	5,556,783	Sept 17, 1996	Lavker et al.			
	4.	5,567,679	Oct 22, 1996	Daly, T. J.			
	5.	5,616,471	April 1, 1997	Yuspa, S.			

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## FOREIGN PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
	24.	WO 98/33813	Aug 6, 1998				Yes	No
	25.	WO 99/40107	Aug 8, 1999					
	26.	WO 99/42122	Aug 26, 1999					

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

	30.	Ambuhl et al. (1994) <i>Brain Res. Bull.</i> Vol., 35, 289-291.					
	31.	Bedecs et al., (1997) <i>Biochem J.</i> , Vol. 325, pp. 449-454.					
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### U.S. PATENT DOCUMENTS

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	6.	5,629,292	May 13, 1997	Rodgers et al.,			
	7.	5,716,935	Feb 10, 1998	Rodgers et al.,			
	8.	5,753,226	May 19, 1998	Greene et al.			
	9.	5,804,445	Sept 8, 1998	Brasier, A.R.			


### FOREIGN PATENT DOCUMENTS

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							Yes	No
	27.	WO 99/42123	Aug 26, 1999					
	28.	WO 00/56345	Sept 28, 2000					
	29.	JP 09249535	Sept 22, 1997					

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

	34.	Bryson et al., (1992), <i>Eur. J. Pharmacol.</i> , Vol. 225, pp. 119-127.	<div style="writing-mode: vertical-rl; transform: rotate(180deg);"> <b>RECEIVED</b>            MAR 06 2003            TECH CENTER 1600/2900         </div>
	35.	Catalioto et al. (1994) <i>Eur. J. Pharmacol.</i> , Vol. 256, pp. 93-97.	
	36.	Clouston et al., (1988) <i>Genomics</i> , Vol. 2, pp. 240-248.	
	37.	Dzau et al., (1989) <i>J. Mol. Cell Cardiol.</i> , Vol 21, pp. S7.	
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	10.	5,834,432	Nov 10, 1998	Rodgers et al.			
	11.	5,955,430	Sept 21, 1999	Rodgers et al.			
	12.	5,962,523	Oct 5, 1999	Moran et al.			
	13.	5,977,159	Nov 2, 1999	Fandriks et al.			
	14.	6,096,709	Aug 1, 2000	Rodgers et al.			

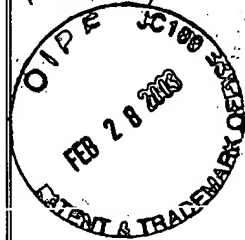
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	38.	Edwards et al. (1993) <i>J. Pharmacol. Exper. Ther.</i> Vol. 266, pp. 506-510.	<b>RECEIVED</b> <b>MAR 06 2003</b> <b>TECH CENTER 1600/2800</b>
	39.	Fernandez et al., (1985) <i>J. Lab. Clin. Med.</i> , Vol. 105 pp. 141-145.	
	40.	Ferrario et al., (1997) <i>Hypertension</i> , Vol. 30, pp. 535-541.	
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	44.	Iyer et al., (1998) <i>Hypertension</i> , Vol.31, pp. 699-705.
	45.	Jaiswal et al. (1991) <i>Hypertension</i> Vol. 17, pp. 1115-1120.
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	54.	Nakahara et al., (1992) BBRC, Vol. 184, pp. 811-818.					
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U.S. Department of Commerce  
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Atty. Docket No.

00-448-A

Serial No.

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